AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of the claims in the application.

Please cancel claims 1-17 without prejudice or disclaimer.

Listing of the Claims:

1-17. (Cancelled)

18. (New) An implant for implantation into a hole of a recipient's bone comprising:

at least one outer surface having a first cross-section diameter configured to be at least approximately equal to the cross-section diameter of the bone hole;

at least one inner surface having a second cross-section diameter configured to be smaller than both the cross-section diameter of the hole and said first cross-section diameter, wherein a space is defined between said outer surface, said inner surface and the recipient's bone; and at least one growth stimulating substance (GSS) retained on said implant.

- 19. (New) The implant of claim 18, wherein said at least one outer surface is configured as outer crest portions of a screw-thread, and said at least one inner surface is configured as inner portions of a screw-thread.
- 20. (New) The implant of claim 19, wherein said screw-thread extends along a majority of the circumference of the implant.
- 21. (New) The implant of claim 18, wherein said outer surface is dimensioned to cooperate with the bone hole to provide an initial positional stability upon implantation.
- 22. (New) The implant of claim 18, wherein said first cross-section diameter of said outer surface is approximately 5-20% greater than the cross-section diameter of the bone hole to provide an initial positional stability upon implantation.

- 23. (New) The implant of claim 18, further comprising:
- at least one recess disposed on said implant, wherein said GSS is disposed within said recess.
- 24. (New) The implant of claim 23, wherein said recess is configured as a longitudinal recess disposed at least part longitudinally along said implant.
- 25. (New) The implant of claim 23, wherein said recess is configured as a transverse recess disposed at least part circumferentially around said implant.
- 26. (New) The implant of claim 18, further comprising:
- at least one porous oxide layer disposed on said implant, configured to store said GSS thereon.
- 27. (New) The implant of claim 18, wherein said implant is configured to be implanted by a pressing force applied to implant.
- 28. (New) The implant of claim 18, wherein said GSS is adapted and provided in gel form.
- 29. (New) The implant of claim 18, wherein said first cross-section diameter and said second cross-section diameter are configured based on at least one measurement taken on the recipient's bone hole.
- 30. (New) The implant of claim 29, wherein said measurement is in the form of a CT-scan.

Docket No.: 21547-00303-US1 Reply to Office Action of June 26, 2007

31. (New) A method for delivering an implant and growth stimulating substance (GSS) into a recipient's bone comprising:

providing an implant comprising:

at least one outer surface having a first cross-section diameter configured to be at least approximately equal to the cross-section diameter of the bone hole;

at least one inner surface having a second cross-section diameter configured to be smaller than both the cross-section diameter of the hole and said first cross-section diameter;

and at least one GSS disposed on the implant;

forming a hole in the bone of the recipient, wherein the recipient's body will secrete cellcontaining fluids into the formed hole;

inserting the implant in the hole;

defining a space between said outer surface, said inner surface and the recipient's bone; and

allowing interaction between the secreted fluids and the GSS.

- 32. (New) The method of claim 31, wherein said inserting the implant comprises applying a pressing force on the implant.
- 33. (New) The method of claim 31, wherein said inserting the implant further comprises penetrating the bone by approximately 5-20% of said first cross-section diameter thereby providing an initial positional stability.
- 34. (New) The method of claim 31, wherein said forming a hole comprises drilling the bone of the recipient.